



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. 10/821,424
Filing Date April 9, 2004
Priority Date April 12, 2003
5 Inventorship Pangrle
Group Art Unit..... 2837
Examiner
Attorney's Docket No. BJP-001US
10 Title: Virtual Instrument

INFORMATION DISCLOSURE STATEMENT

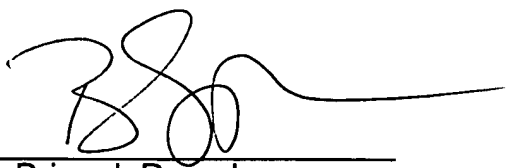
References -- See Attached Forms PTO/SB/08A and 08B
(substitutes for Form 1449)

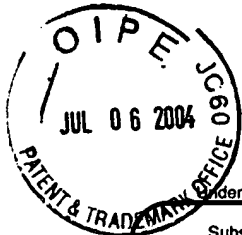
REMARKS

The citations listed, copies attached for non-patent and foreign patent
20 documents, are submitted in compliance with the duty of disclosure defined
in 37 CFR §1.56. The Examiner is requested to make these citations of
official record in this application.

Respectfully Submitted,

Date: 7-6-04

By: 
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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number 10/821,424

Filing Date April 9, 2004

First Named Inventor Brian Pangrle

Art Unit 2837

Examiner Name

Attorney Docket Number BJP-001US

Sheet 1

of 4

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4429607	02-07-1984	Meno	
		US- 4736662	04-12-1988	Yamamoto	
		US- 5081896	01-21-1992	Hiyoshi et al.	
		US- 5369270	11-29-1994	Gurner et al.	
		US- 5913260	06-15-1999	Buchla	
		US- 6142849	11-07-2000	Horton et al.	
		US- 6291824	09-18-2001	Battarbee et al.	
		US- 6501012	12-31-2002	Toba et al.	
		US- 2002/0062726 A1	05-30-2002	Seiji Abe	
		US- 2003/0066413 A1	05-10-2003	NISHITANI ET AL.	
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FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		DE3807557	09-28-1989	DYNACORD ELECTR		

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		Application Number	10/821,424		
		Filing Date	April 9, 2004		
		First Named Inventor	Brian Pangrle		
		Art Unit	2837		
Examiner Name					
Sheet	2	of	4	Attorney Docket Number	BJP-001US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	WILSON ET AL.: Proceedings of the 2003 Conference on New Instruments for Musical Expression, Montreal, Canada, May 22-24, 2003, Microcontrollers in Music HCI (6 pages)	
	2	HASAN ET AL.: Proceedings of the 2002 Conference on New Instruments for Musical Expression (NIME-02), Dublin, Ireland, May 24-26, 2002, The Termenova (6 pages)	
	3	PARADISO ET AL.: Presented at the Fourth Conference on Optical 3D Measurement Techniques, ETH, Zurich, September 1997, Optical Tracking for Music and Dance (8 pages)	
	4	DAHL: Speech, Music and Hearing, Quarterly Progress and Status Report, TMH-QPSR 4/1997, Measurements of the motion of the hand and drumstick in a drumming sequence (6 pages)	
	5	AIMI: Massachusetts Institute of Technology, September 2002 New Expressive Percussion Instruments (86 pages)	
	6	MULDER: Ph.D. Thesis, SIMON FRASER UNIVERSITY, October 1998 (Canada), Design of Virtual Three-dimensional Instruments for Sound Control, (113 pages)	
	7	BOSCHI: Norges teknisk-naturvitenskapelige universitet (NTNU) i Trondheim, Norway, May 24, 2002, A CLASSIFICATION OF CONTROLLERS FOR PARAMETERS HIGHLIGHTING (6 pages)	
	8	IBRAHIM ET AL.: 1st World Congress on Industrial Process Tomography, Buxton, Greater Manchester, April 14-17, 1999, p. 511, Optical Fibres For Process Tomography (6 pages)	
	9	BLAINE ET AL.: Proceedings of the conference on designing interactive systems, NY, NY, US, 2000 Pages: 165 - 173, ACM SIGCHI 2000, The Jam-O-Drum Interactive (9 pages)	
	10	HALLER: http://www.no-more-wutzemusik.de/midipark/midijava.pdf Sound Programming (40 pages)	

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	11	GERING ET AL.: IEEE Workshop on Multi-View Modeling and Analysis of Visual Scenes Fort Collins, Colorado June 21 - 23, 1999, Object Modeling using Tomography (8 pages)	
	12	SCHMITZ ET AL.: Optical Society of America, 1999, A fast versatile instrument for dynamic optical tomography (3 pages)	
	13	SCHMITZ ET AL: REVIEW OF SCIENTIFIC INSTRUMENTS VOLUME 73, NUMBER 2 FEBRUARY 2002, Instrumentation for fast functional optical tomography (11 pages)	
	14	SHEPPARD: Bachelor Engineering Paper, School of Information Technology and EE, University of Queensland, Australia, May 22, 2003, DIGITAL STRINGLESS GUITAR (53 pages)	
	15	EMSEN ET AL: Group Design Project, UNIVERSITY OF SOUTHAMPTON Faculty of Engineering and Applied Science, England, Electronic Timpani, April 26, 2002 (183 pages)	
	16	WEINBERG: Tweaking for Touch: Feel More Real, DRUM! 12(7), Nov/Dec 2003 (4 pages)	
	17	CAREY ET AL.: 1st World Congress on Industrial Process Tomography, Buxton, Greater Manchester, April 14-17, 1999, p. 480, Near Infra-Red Absorption Tomography (8 pages)	
	18	YAN ET AL.: Meas. Sci. Technol. 13 (December 2002) 1898-1902, A novel optical fibre process tomography structure for industry process control (Abstract)	
	19	BALDUF ET AL.: TIME RESOLVING GAMMA-TOMOGRAPHY FOR PERIODICALLY CHANGING GAS FRACTION FIELDS, Institute of Safety Research Annual Report 2000 (6 pages)	
	20	KIM ET AL.: Circle Detection Method using the Intersecting Chords, International Symposium on Robotics and Auto (ISRA 2000), Monterrey, N.L., México, Nov 10-12, 2000 (6 pages)	

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	21	DI GIUSEPPE: Il Banjo Segato "Sawed Off Banjo" - www.thestraniero.com/stranierovision/html/banjo_i.html, Copyright 2003 (3 pages)	
	22	SCHAFER + KIRCHHOFF GMBH: CCD Line Scan Cameras: Illumination Components and Accessories, www.SuKHamburg.de (1 page)	
	23	ATMEL: ATSAM9753, Integrated Digital Music Instrument, Rev. 1774D-DRMSD-11/02 (23 pages)	
	24	ATMEL: ATSAM9753 PIA-DK Development Kit and Evaluation Board for ATSAM9753, Rev. 2660B-DRMSD-11/02 (11 pages)	
	25	CONVERGENT MANUFACTURING TECHNOLOGIES INC. The Enhanced Laser Velocity System, ELVS A brochure September 2003 (2 pages)	

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